

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

Entitled : FLEXIBLE CONNECTION SYSTEM BETWEEN A PLANET CARRIER AND THE STATIONARY SUPPORT IN A SPEED REDUCTION GEAR TRAIN

Inventors : BECQUERELLE Samuel & al;

Assignee : HISPANO-SUIZA

ABSTRACT OF THE DISCLOSURE

The invention relates to a speed reduction gear train comprising a sun gear, an annular gear, and planet gears meshing with the sun gear and the annular gear and mounted in a cage having axial housings between pairs of adjacent planet gears. The cage is connected to a cage carrier having axial arms received in the housings by radial pins disposed in the midplane of the cage by means of spherical finger connections allowing the cage carrier to tilt and to move axially relative to the cage.